FIGURE 1

- MODIFICATION ARRAYS (24)
- APPLY SUFFIX (23)
- WORD BUFFER (21)
- WORD SET SELECTOR (27)
- INFLECTION SET (22)
- TEXT INPUT MANAGER (15)
- CURRENT WORD SET (28)
- MAIN VOCABULARY (25)
- AUXILIARY VOCABULARY (26)
- UNABRIDGED VOCABULARY
- WORD START ARRAYS (19)
- QUEUE (17)
- STROKE ANALYZER (18)
- SUFFIX SET (29)
- POINTER (13), STYLUS (13a), MOUSE (13b, 13c)
- HOST COMPUTER (11)
- DISPLAY (12)
- TOUCH SCREEN
- TOUCH DETECTOR (14b)
- WORD PROCESSOR (16)

FIGURE 2A

A a all and are as at	B be but by		
C D do E F for from G go H have			
he I I if in is it J K L M me my			
N not no O of on or out P Q R			
S say she so T that the they this to			
U up V W was we which who with			
X Y you Z 1 2 3 4 5 6 7 8 9 0			

FIGURE 2B

A a act add all am and are as at B be but by   C company control D dis do E end except
F for from   G go   H have he   I I if in into is it   J K L   M me my
N not no   O of on or out   P Q R remember   S say she so
T that the they to   U un up   V   W was we which who will with X Y you Z
1 2 3 4 5 6 7 8 9 0

FIGURE 3A

A d l n r s t B e i l o u y C e i o m			
p n v r D e i o E n v x F e i l o r			
G e i l o r H e i o u I f n t v s t			
J K L e i o M e i o y N e i o o			
O f n r u P e i l o r s R e m i o			
S e h i l o t u y T e h h h i o r u			
U n p V i W e h h i o X Y Z			
1 2 3 4 5 6 7 8 9 0			

FIGURE 3B

A c d f g all m and are as at   B be i l o r but by   C e h i l o[mp ntv] r u y
D e i do r u y E d n v x y   F e i l for from u   G e h i l n go r u y   H he i o u y
I if in [tv] is it   J K   L e i o u   M me i o u my   N e i not no u
O of on or out .   P e h i l o r s u y   Q   R e [m] h i o u
S c é she i l so p q t u w y T e that the they i to r u y   U n up s   V e i o
W we which who i o r   X Y Z 1   2   3   4   5   6   7   8   9   0

FIGURE 3C

A a act add after again all am and are as at away **B** back be big black both bring but by
C can certain child city close could [come company consider control convert] cry cut
D day develop differ do drive during dynamic **E** each educate end even except eye
F far few find fly for from full   **G** game get ghost give go great gun gyro
  H have he high how human hydro   **I** I if in [into invent] is it   **J** just **K**
know   **L** last left like long luck lyric   **M** may me might more must my
N nation new night not no number ˙   **O** of on one only or our out
P part people phone place pick point program put   **Q** question
R rather real [remember] rhythm right room run rye
S say school see she since slow small snake so space square still such switch system
T take tell that the they time to try turn two type   **U** un up use **V** value very view voice
W was we which who with would write **X** x-ray **Y** you **Z** zero 1 2 3 4 5 6 7 8 9 0

FIGURE 4
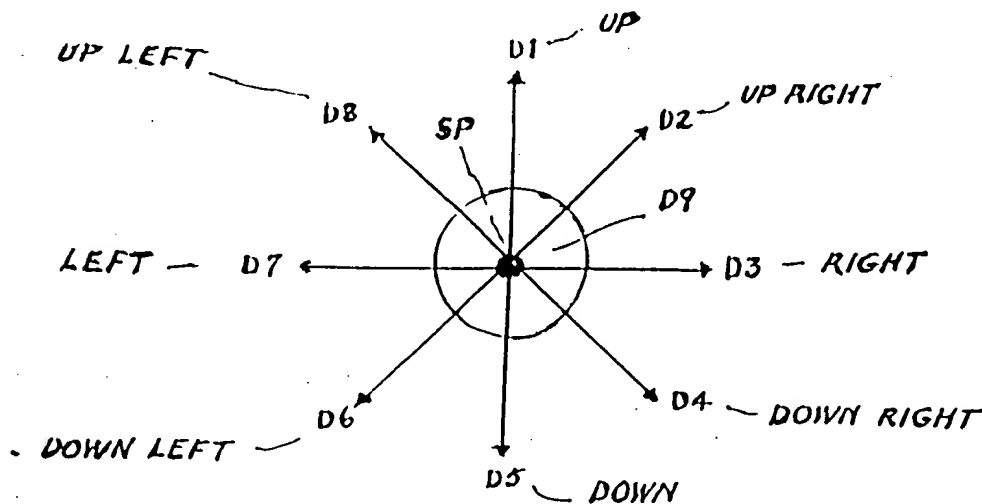
FIGURE 5A
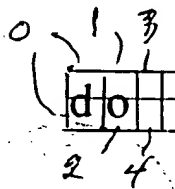
FIGURE 5B
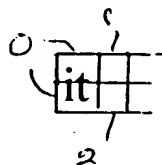
FIGURE 5C
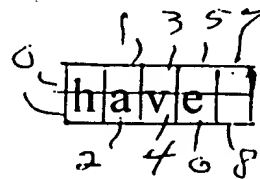
FIGURE 6

Direction.	D1	D2	D3	D4	D5	D6	D7	D8	D0
SLS	Cap	CL	V1	V2	Ltr	ltrCap	LtrSx	CapSx	
SLS or SDEA	abc/a	def/e	ghi/i	jkl/l	mno/o	pqr/r:	stu/u	vwxyz/y	
VFW	s	ed	ing	er	est	ly	ness	Sx	
Hop (VFW)	'.'	','	';'	':'.	'?'	'!':	Cpd	Sx	Cp
Digit	digit	Ch1	Ch2	1st	w 1st	teen	ty	Space	
CW or SD	b	c	d	f	g	h	j	k	
CCW or EA	m	n	p	q	s	t	vw	xz	

FIGURE 7A

	D1	D2	D3	D4	D5	D6	D7	Code
be		been	being					20en
do	does	did	doing	doer	done			0es1id60ne
go	goes	went	going		gone			0es22went60ne
have	has	had	having					2s2d
he	his	him	himself					1is1im1imself
if	if a/an	if the	if that					170
it	its	itself						20self
say	says	said	saying					21id
she	her	hers	herself					3her3hers3herself
they	their	theirs	them	s-es				1ir1irs1m1ms-ves
we	our	ours	us	o-es				2our2ours2us2o-s
with	within	without						0in0out
who	whose	whom	whoever					0se0m0ever
you	your	yours	yourself	r-es				0r0rs0rself0rs-es

FIGURE 7B

	D1	D2	D3	D4	D5	D6	D7	Code
that	than	this	those					175
the	then	there	these					176
which	what	when	where					177

FIGURE 7C

	D1	D2	D3	D4	D5	D6	D7	D8	Code
one	1	`	!	1st	first	eleven	hundred	Space	181
two	2	_	@	2nd	second	twelve	twenty	Tab	182
three	3		#	3rd	third	thirteen	thirty	Ret	183
four	4		$	4th	fourth	fourteen	forty		184
five	5	'	%	5th	fifth	fifteen	fifty		185
six	6	/	^	6th	sixth	sixteen	sixty		186
seven	7	\	&	7th	seventh	seventeen	seventy		187
eight	8		0	8th	eighth	eighteen	eighty		188
nine	9	{	(	9th	nineth	nineteen	ninety		189
ten	0	}	)	10th	tenth			]	190

FIGURE 8A 12

Al	Ble	Ce	Ed	ee	en	er	ess	est
Hood		Ic	ing	ion	ish	ism	ist
ity	ive	ize	Less	like	ly	Ment
N	nce	ness	nt	Or	our	S	ship
Teen	th	ty	Ward	Y

Ace	age	ail	ain	ale	all	and	ard
are	atch	ate	Ead	eal	ear	ell	end
Ice	ide	ight	ile	ill	ind	ine	ite
Old	ole	one	ore	ose	ound	Ure

FIGURE 8B

D1	D2	D3	D4	D5	D6	D7	D8
s	ly	al	ally	ic	lty	ness	y

FIGURE 7D

	D1	D2	D3	D4	D5	D6	D7	Code
Stem	s	ed	ing	er	est	ly	ness	128 /0
				or				130
					ion	ive		132
				or	ion	ive		134
					ment	mental		136
				or	ment	mental		138
					nce	nt		140
				or	nce	nt		142
					ncy	nt		144
				or	ncy	nt		146
					al	ally		150
				ic	ical	ically		152
					ful	fully		154
			ful	fully	less	lessly		156
					ous	ously		158
					ce	cy		160
					ish	hood		162
					erly	ern	ward	164
					ism	ist	ize	166
					teen	th	ty	168
Preps	a/an	the	that	this				170
Nouns	is/are	was/were	has/have	had	having			172
any	how	one	thing	time	way	where		174

FIGURE 8c

face lace mace pace race
cage gage page rage sage wage
bail fail hail mail nail pail sail tail wail vail
gain lain main pain rain wain vain
bale dale gale hale male pale sale tale vale
ball call fall gall hall mall pall tall wall
band hand land sand wand
bard card hard lard pard ward
bare care dare fare hare mare rare ware
batch catch hatch latch match patch watch
bate date fate gate hate late mate rate sate
bead dead head lead mead read
deal heal meal peal real seal teal weal veal zeal
bear dear fear gear hear lear near pear rear sear tear wear
bell dell fell hell jell sell tell well
bend fend lend mend pend rend send tend vend
dice lice mice nice rice vice
bide hide ride side tide wide
bight fight light might night right sight tight
bile file mile pile rile tile wile vile
bill dill fill gill hill kill mill pill till will
bind find kind mind wind
dine fine line mine nine pine sine wine vine
bite cite kite lite mite rite site
bold cold fold gold hold mold sold told
bone cone done gone lone none sone tone
bore core fore gore lore more pore sore tore wore
dose hose lose nose pose rose
bound found hound mound pound round sound wound
cure jure lure pure sure

FIGURE 9A /2

A back bad bag balance ball ban bank bar base basic basis bat bay
E bed beauty because become before beg begin behave behind believe below beside best bet better between beyond
I bid big bill bin bird bit bitter
L black block blond blow blue
O board body book both box boy
R break bring broad brown
U bug build burn bus business **X Z**

FIGURE 9B /2

BA B babe baby baboon **C** bacteria
D badge **F** baffle **G** bagel baggage
I bail bait **L** balance bald ball balloon ballot **M** bamboo **N** band bandit bang bankrupt banner banquet banter
R barb barbeque barber bare bargin barge barley bark barn baron barrel barren barrier barter **S** baseball bash basket bass bassinet basson bastion
T batch bath baton batten batter battle
U bauble **W** bawd bawl **Y** bay bayonet

FIGURE 9C /2

BA B baby **C** back bacteria **D** bad
badge **F** baffle **G** bag baggage
I bail bait **L** balance bald ball ballot
M bamboo **N** ban band bandit bang bank bankrupt banner banquet banter
R bar barbeque barber bare bargin barge barley bark barn baron barrel
S base baseball bash basic basis basket bass bassinet bassoon bastion
T bat batch bath baton batter battle
U bauble **W** bawd bawl **Y** bay bayonet

FIGURE 10

12

back backs backed backing backer

BA B babble babe baby baboon
C baccalaureate baccarat bacchanal bachelor bacillus backgammon backlog bacon bacteria
D bad bade badge badminton
F baffle
G bag bagel baggage baggy bagpipe
I bail bailiff bailiwick bait
K bake
L balance balcony bald bale balk ball ballad ballast ballet ballistic balloon ballot ballyhoo balm baloney balsa balsam
M bamboo
N ban banal banana band bandage bandbox bandit bandy bane bang bangle banish banister banjo bank bankrupt banner banquet banshee bantam banter banzai
P baptism Baptist baptize
R bar barb barbarian barbaric barbeque barbell barber barbiturate bard bare bargain barge baritone barium barley bark barn barnacle barometer baron baroque barracks barracuda barrage barrel barren barricade barrier barrister barrow bartender barter
S base baseball bash basic basin basis bask basket bass bassinet basso bassoon bastard bast baste bastille bastion
T bat batch bath bathe bathos baton battalion batten batter battery battle
U bauble
W bawd bawdy bawl
Y bay bayonet bayou
Z bazaar bazooka

FIGURE 11A

BAXXBXCbabble0babe0baby0baboon0CXbaccalaureate0baccarat0bacchanal0bachelo
r0bacillus0backgammon0backlog0bacon0bacteria0DXbad0bade0badge0badminton0FX
baffle0GXbag0bagel0baggage0baggy0bagpipe0IXbail0bailiff0bailiwick0bait0KXbake0
LXbalance0balcony0bald0bale0balk0ball0ballad0ballast0ballet0ballistic0balloon0ballot
0ballyhoo0balm0baloney0balsa0balsamMXbamboo0NXban0banal0banana0band0band
age0bandbox0bandit0bandy0bane0bang0bangle0banish0banister0banjo0bank0bankrupt
0banner0banquet0banshee0bantam0banter0banzai0PXbaptism0baptist0baptize0RXbar0
barb0barbarian0barbaric0barbeque0barbell0barber0barbiturate0bard0bare0bargain0barg
e0baritone0barium0barley0bark0barn0barnacle0barometer0baron0baroque0barracks0ba
rracuda0barrage0barrel0barren0barricade0barrier0barrister0barrow0bartender0barter0S
Xbase0baseball0bash0basic0basin0basis0bask0basket0bass0bassinet0basso0bassoon0b
astard0bast0baste0bastille0bastion0TXbat0batch0bath0bathe0bathos0baton0battalion0b
atten0batter0battery0battle0UXbauble0WXbawd0bawdy0bawl)YXbay0bayonet0bayou
0ZXbazaar0bazooka0BEXXFXbefore0

FIGURE 11B

BAXXBXble0e0y0boon0CXhelor0con0cterialDX0ge0minton0FX fle0GX0gage0pipe0I
X10liff0liwick0t0KXe0LXance0cony0d0e0k0l0lad0last0let0istic0loon0lot0lyhoo0m0on
ey0sa0sam0MXboo0NX0d0dage0dbox0dit0dy0g0gle0ish0ister1k0rupt0ner1quet0tam0t
er1PXtism0ist0tizeRX0b0barian0baric1beque0ber1bell0ber1biturate0d0e0gain0ge0iton
e0ium0ley0k0n0nacle0ometer1on0oque0racks0racuda0rage0rel1ren0ricade0rier0rister1
row0tender1ter1SXe0eball0sh0ic1in1is1k0ket1s0sinet1so0soon0tard0te0t0tille0tionTX
0ch0h0he0hos0on0talion0ten1ter1teryotle0UXuble0WXd0dy0l0YX0onet1ou0ZXaar0o
oka0BEXXFXore0

FIGURE 12A

> **BAB** **B** babble **E** babe **Y** baby
>   **O** baboon
> **BAC** **C** baccalaureate baccarat
>   bacchanal **H** bachelor **I** bacillus
>   **K** backgammon backlog **O** bacon
>   **T** bacteria

FIGURE 12B

> **BAS** **E** base baseball **H** bash
>   **I** basic basin basis **K** bask
>   basket **S** bass bassinet basso
>   bassoon **T** bastardy bast baste
>   bastille bastion
> **BAT** bat **C** batch **H** bath bathe
>   bathos **O** baton **T** battalion batten
>   batter battery battle
> **BAU** **B** bauble **D** baud **X** bauxite